

**TABLE 4: RSA GRADING OF YELLOW MAIZE (2011/2012)**

Number of samples	Region	% Defective Kernels						% Total defective		% Foreign matter		% Other Colour		% Combined Deviations		% Pinked Kernels		% Diplodia Kernels		% Fusarium Kernels		% Cobrot Kernels			
		Above 6.35 mm sieve		Below 6.35 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.		
		ave.	min.	max.	ave.																			min.	max.
<b>GRADE: YM1</b>																									
4	Region 10	1.3	0.4	1.8	2.0	1.5	2.4	3.4	2.6	3.9	0.1	0.0	0.2	0.1	0.0	0.5	3.6	2.6	4.1	0.0	0.0	0.0	0.5	0.0	0.8
19	Region 11	2.5	0.8	4.7	2.2	0.7	3.5	4.6	1.9	8.0	0.1	0.0	0.3	0.0	0.0	0.1	4.7	1.9	8.4	0.0	0.0	0.0	0.6	0.0	4.4
5	Region 12	3.1	1.7	4.0	2.0	1.1	3.5	5.1	2.8	7.5	0.1	0.0	0.2	0.2	0.0	1.1	5.5	2.9	8.6	0.0	0.0	0.0	1.0	0.6	2.0
11	Region 13	2.1	0.9	3.5	3.3	1.1	5.4	5.4	2.9	7.2	0.2	0.0	0.6	0.3	0.0	1.0	5.8	3.0	7.2	0.0	0.0	0.0	0.5	0.0	1.2
12	Region 14	2.0	1.1	4.0	2.3	1.0	4.7	4.3	2.6	6.1	0.1	0.0	0.2	0.1	0.0	1.2	4.5	2.9	6.3	0.0	0.0	0.0	0.6	0.0	1.2
3	Region 15	2.5	2.2	3.0	1.1	0.9	1.2	3.6	3.3	3.9	0.2	0.1	0.2	0.0	0.0	0.0	3.7	3.5	4.1	0.0	0.0	0.0	0.8	0.4	1.2
5	Region 16	2.2	1.2	3.2	1.6	1.0	3.0	3.8	2.3	5.2	0.2	0.1	0.3	0.3	0.0	0.6	4.2	2.7	5.9	0.0	0.0	0.0	0.8	0.2	1.3
10	Region 17	2.2	0.8	4.5	2.5	1.7	4.0	4.8	3.2	6.8	0.1	0.0	0.2	0.4	0.0	2.3	5.2	3.3	7.8	0.0	0.0	0.0	0.6	0.0	1.5
12	Region 18	2.0	0.6	4.2	2.3	1.2	3.4	4.3	2.1	7.6	0.2	0.1	0.6	0.1	0.0	0.5	4.5	2.2	7.7	0.0	0.0	0.0	0.3	0.0	0.9
10	Region 19	1.4	0.7	3.0	3.1	1.4	5.5	4.5	2.3	7.6	0.2	0.0	0.9	0.1	0.0	0.6	4.8	2.9	7.6	0.0	0.0	0.0	0.3	0.0	0.6
5	Region 20	1.9	0.7	4.4	2.1	1.5	3.0	4.0	3.0	5.9	0.1	0.0	0.2	0.2	0.0	1.0	4.3	3.2	7.1	0.0	0.0	0.0	0.6	0.0	1.5
8	Region 21	2.4	1.5	3.5	2.1	0.6	4.9	4.5	3.0	7.4	0.1	0.0	0.2	0.1	0.0	0.6	4.7	3.1	8.1	0.0	0.0	0.0	0.7	0.2	1.3
4	Region 22	2.9	1.5	4.7	1.9	1.4	2.5	4.8	4.0	6.8	0.1	0.0	0.3	0.2	0.0	0.7	5.2	4.0	7.0	0.0	0.0	0.0	0.7	0.0	1.4
9	Region 23	1.6	0.6	3.3	2.6	1.2	3.5	4.1	2.5	5.9	0.1	0.0	0.4	0.1	0.0	0.3	4.3	2.5	6.0	0.0	0.0	0.0	0.2	0.0	0.7
8	Region 24	2.9	0.7	6.1	2.8	1.7	5.0	5.8	3.4	7.8	0.1	0.0	0.3	0.1	0.0	0.3	6.0	3.7	7.9	0.0	0.0	0.0	0.7	0.0	1.5
13	Region 25	1.9	0.7	2.8	2.1	0.9	3.8	4.0	3.0	4.9	0.4	0.0	0.6	0.1	0.0	0.9	4.5	3.1	7.7	0.0	0.0	0.0	0.6	0.0	1.5
9	Region 26	2.2	1.3	3.8	1.8	0.4	2.8	3.9	2.3	6.6	0.1	0.0	0.2	0.1	0.0	0.5	4.1	2.3	6.8	0.0	0.0	0.0	0.6	0.0	1.3
3	Region 27	1.9	1.6	2.2	1.9	1.1	2.6	3.7	3.3	4.3	0.1	0.1	0.2	0.0	0.0	0.0	3.9	3.5	4.5	0.0	0.0	0.0	0.5	0.5	0.6
23	Region 28	2.3	0.7	6.2	1.7	0.2	3.7	4.1	0.9	8.3	0.2	0.0	1.7	0.0	0.0	0.5	4.3	1.0	8.6	0.0	0.0	0.0	0.7	0.0	2.1
41	Region 29	2.0	0.6	4.3	2.3	0.5	5.4	4.3	1.6	7.8	0.1	0.0	0.3	0.1	0.0	1.0	4.4	1.8	8.3	0.0	0.0	0.0	0.3	0.0	1.7
56	Region 30	2.0	0.7	4.2	2.2	0.9	6.1	4.2	2.1	7.6	0.1	0.0	0.6	0.1	0.0	0.9	4.4	2.2	7.7	0.0	0.0	0.0	0.3	0.0	1.5
23	Region 31	1.9	1.0	3.5	1.8	1.1	3.4	3.7	2.3	5.3	0.1	0.0	0.5	0.2	0.0	1.9	4.1	2.4	5.7	0.0	0.0	0.0	0.4	0.0	1.4
33	Region 32	1.7	0.6	3.2	2.0	0.2	7.3	3.7	1.6	8.6	0.1	0.0	0.4	0.1	0.0	0.6	3.8	1.6	8.6	0.0	0.0	0.0	0.3	0.0	1.3
19	Region 33	2.3	1.3	4.3	2.2	0.6	4.9	4.5	3.1	8.0	0.1	0.0	0.2	0.2	0.0	0.9	4.8	3.3	8.5	0.0	0.0	0.0	0.7	0.0	1.5
16	Region 34	1.8	0.7	4.4	2.1	1.2	3.9	4.0	2.3	6.4	0.1	0.0	0.4	0.2	0.0	1.1	4.2	2.5	6.8	0.0	0.0	0.0	0.4	0.0	1.5
9	Region 35	2.4	1.1	3.9	1.2	0.7	1.5	3.6	2.0	5.2	0.1	0.0	0.2	0.0	0.0	0.2	3.7	2.0	5.7	0.0	0.0	0.0	0.6	0.0	1.0
13	Region 36	1.9	0.8	3.8	1.9	1.1	3.6	3.8	2.2	6.0	0.1	0.0	0.2	0.3	0.0	1.2	4.2	2.3	6.6	0.0	0.0	0.0	0.6	0.0	1.2
<b>383</b>	<b>Ave. YM1</b>	<b>2.1</b>	<b>0.4</b>	<b>6.2</b>	<b>2.1</b>	<b>0.2</b>	<b>7.3</b>	<b>4.2</b>	<b>0.9</b>	<b>8.6</b>	<b>0.1</b>	<b>0.0</b>	<b>3.6</b>	<b>0.1</b>	<b>0.0</b>	<b>2.3</b>	<b>4.4</b>	<b>1.0</b>	<b>8.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.5</b>	<b>0.0</b>	<b>2.1</b>
	<b>Min. YM1</b>				<b>0.2</b>																		<b>0.3</b>		<b>0.0</b>
	<b>Max. YM1</b>						<b>7.3</b>			<b>8.6</b>		<b>3.6</b>		<b>0.1</b>		<b>2.3</b>		<b>8.6</b>							<b>4.4</b>

**TABLE 4: RSA GRADING OF YELLOW MAIZE (2011/2012) (continue)**

Number of samples	Region	% Defective Kernels				% Total defective	% Foreign matter	% Other Colour		% Combined Deviations		% Pinked Kernels		% Diplodia Kernels		% Fusarium Kernels		% Cobrot Kernels													
		Above 6.35 mm sieve		Below 6.35 mm sieve				ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.									
		ave.	min.	max.	ave.																		min.	max.							
<b>GRADE: YM2</b>																															
2	Region 12	10.2	4.2	16.2	5.2	1.7	8.8	15.4	13.0	17.9	0.2	0.1	0.3	0.3	0.0	0.5	15.9	13.7	18.0	0.0	0.0	0.0	3.8	1.5	6.1	3.7	1.8	5.5	7.5	3.3	11.6
1	Region 13	1.0	-	-	6.6	-	-	7.6	-	-	0.3	-	-	0.0	-	-	7.9	-	-	0.0	-	-	0.0	-	-	0.4	-	-	0.4	-	-
1	Region 14	1.5	-	-	13.5	-	-	14.9	-	-	0.0	-	-	0.0	-	-	14.9	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
3	Region 21	5.2	4.5	6.0	3.8	3.1	4.1	9.0	8.6	9.2	0.2	0.2	0.4	0.4	0.2	0.6	9.7	9.6	9.8	0.0	0.0	0.0	0.9	0.2	2.0	0.6	0.5	1.0	1.6	0.7	2.5
2	Region 22	10.6	8.1	13.1	3.2	2.9	3.4	13.8	11.6	16.0	0.2	0.2	0.3	0.1	0.0	0.2	14.1	12.0	16.3	0.0	0.0	0.0	2.5	1.0	3.9	2.8	0.5	5.0	5.2	1.4	9.0
1	Region 23	4.5	-	-	5.2	-	-	9.6	-	-	0.3	-	-	0.0	-	-	9.9	-	-	0.0	-	-	1.4	-	-	1.0	-	-	2.5	-	-
1	Region 24	4.3	-	-	5.1	-	-	9.4	-	-	0.2	-	-	0.2	-	-	9.9	-	-	0.0	-	-	0.0	-	-	0.6	-	-	0.6	-	-
2	Region 25	5.1	4.0	6.3	4.4	2.8	6.0	9.5	9.0	10.0	0.2	0.1	0.2	0.1	0.0	0.2	9.8	9.3	10.3	0.0	0.0	0.0	1.1	0.0	2.2	0.6	0.0	1.2	1.7	0.0	3.4
5	Region 26	3.1	1.9	6.7	6.4	2.5	9.8	9.5	6.7	12.2	0.3	0.2	0.3	0.1	0.0	0.7	9.9	7.0	12.5	0.0	0.0	0.0	1.0	0.5	2.4	0.7	0.3	1.5	1.7	1.0	3.9
4	Region 28	4.6	2.8	8.7	4.4	1.8	6.4	9.0	7.8	10.5	0.3	0.2	0.3	0.2	0.0	0.7	9.4	8.0	11.5	0.0	0.0	0.0	1.2	0.4	2.5	0.6	0.0	1.4	1.7	0.4	4.0
6	Region 29	4.5	1.0	8.7	5.1	2.8	9.7	9.6	7.3	13.0	0.2	0.0	0.4	0.5	0.0	1.7	10.4	8.4	14.3	0.0	0.0	0.0	1.5	0.0	3.2	0.7	0.1	1.5	2.2	0.1	4.7
3	Region 30	7.3	3.8	11.0	3.0	2.1	4.5	10.3	8.3	13.1	0.3	0.2	0.3	0.4	0.0	0.8	10.9	9.4	13.8	0.0	0.0	0.0	2.6	1.3	5.0	1.7	0.7	2.6	4.4	2.0	7.1
2	Region 32	2.7	2.1	3.3	5.7	4.9	6.4	8.4	7.0	9.7	0.3	0.2	0.3	0.0	0.0	0.0	8.6	7.3	10.0	0.0	0.0	0.0	1.0	0.8	1.2	0.5	0.5	0.6	1.5	1.3	1.7
1	Region 33	3.7	-	-	3.6	-	-	7.3	-	-	0.4	-	-	0.5	-	-	8.1	-	-	0.0	-	-	1.9	-	-	0.7	-	-	2.6	-	-
1	Region 34	2.4	-	-	4.1	-	-	6.5	-	-	0.2	-	-	0.5	-	-	7.3	-	-	0.0	-	-	1.0	-	-	0.5	-	-	1.4	-	-
<b>35</b>	<b>Ave. YM2</b>	<b>4.9</b>			<b>5.0</b>			<b>9.9</b>			<b>0.2</b>			<b>0.3</b>			<b>10.5</b>			<b>0.0</b>			<b>1.4</b>			<b>1.0</b>			<b>2.4</b>		
	<b>Min. YM2</b>	<b>1.0</b>			<b>1.7</b>			<b>6.5</b>			<b>0.0</b>			<b>0.0</b>			<b>7.0</b>			<b>0.0</b>			<b>0.0</b>			<b>0.0</b>			<b>0.0</b>		
	<b>Max. YM2</b>	<b>16.2</b>			<b>13.5</b>			<b>17.9</b>			<b>0.4</b>			<b>1.7</b>			<b>18.0</b>			<b>0.0</b>			<b>6.1</b>			<b>5.5</b>			<b>11.6</b>		

**TABLE 4: RSA GRADING OF YELLOW MAIZE (2011/2012) (continue)**

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		Above 6.35 mm sieve		Below 6.35 mm sieve				ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
		ave.	min.	max.	ave.																	
<b>GRADE: YM3</b>																						
1	Region 19	1.0	-	-	13.2	-	-	0.0	-	14.4	-	0.0	-	0.5	-	0.0	-	0.5	-	-	-	
2	Region 23	4.5	2.9	6.1	7.8	5.0	10.6	2.8	0.0	15.3	13.7	17.0	0.0	0.0	0.0	0.7	0.4	1.0	2.3	1.6	3.1	
1	Region 31	1.3	-	-	7.8	-	-	5.4	-	14.7	-	-	0.0	-	0.5	-	-	0.5	-	-	-	
4	Ave. YM3	2.8			9.1			2.7		15.0			0.0		1.1		0.4		1.4		0.5	
	Min. YM3	1.0			5.0			0.0		13.7			0.0		0.5		0.0		0.5		3.1	
	Max. YM3	6.1			13.2			5.6		17.0			0.0		2.1		1.0		1.0		3.1	
<b>CLASS: COM</b>																						
1	Region 19	66.3	-	-	22.9	-	-	0.0	-	90.4	-	-	0.0	-	6.2	-	2.3	-	8.4	-	-	
1	Ave. COM	66.3			22.9			0.0		90.4			0.0		6.2		2.3		8.4		-	
	Min. COM	-			-			-		-			-		-		-		-		-	
	Max. COM	-			-			-		-			-		-		-		-		-	
423	Ave. yellow maize	2.5			2.5			0.2		5.2			0.0		0.6		0.4		0.9		0.0	
	Min. yellow maize	0.4			0.2			0.0		1.0			0.0		0.0		0.0		0.0		0.0	
	Max. yellow maize	66.3			22.9			5.6		90.4			0.0		6.2		5.5		11.6		11.6	
1000	Ave. maize	2.5			2.2			0.3		5.1			0.0		0.6		0.4		1.0		0.0	
	Min. maize	0.3			0.0			0.0		0.7			0.0		0.0		0.0		0.0		0.0	
	Max. maize	66.3			22.9			43.7		90.4			0.8		6.2		5.5		11.6		11.6	